MICROSEMI CORP

Form 4

August 19, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number: 3235-0287

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005 Estimated average

0.5

OMB APPROVAL

Form 4 or Form 5 obligations may continue.

See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

response...

burden hours per

1(b).

Microsemi Common

Stock (3)
Microsemi

Common

08/15/2008

08/15/2008

(Print or Type Responses)

(Finit of Type K	esponses)									
1. Name and Ad GENTILE JA	Symbol	2. Issuer Name and Ticker or Trading Symbol MICROSEMI CORP [MSCC]				5. Relationship of Reporting Person(s) to Issuer				
(Last)	(First) (M	iddle) 3. Date o					(Check all applicable)			
2381 MORS		(Month/	3. Date of Earliest Transaction (Month/Day/Year) 08/15/2008				Director 10% Owner Officer (give title Other (specify below) Senior VP-Worldwide Sales			
	(Street)	4. If Am	4. If Amendment, Date Original					6. Individual or Joint/Group Filing(Check		
IRVINE, CA	92614	Filed(Mo	Filed(Month/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State) (Z	Zip) Tab	le I - Non-Do	erivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		Code (Instr. 8)	4. Securion(A) or D (Instr. 3,	4 and (A) or	ed of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Microsemi Common Stock (1)	08/15/2008		M	1,000	A	\$ 18.97	21,000	D		
Microsemi Common Stock (2)	08/15/2008		S	1,000	D	\$ 28.5	20,000	D		

M

S

1,000 A

1,000 D

21,000

\$ 28.5 20,000

D

D

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Stock (2)							
Microsemi Common Stock (3)	08/15/2008	M	1,000	A	\$ 13.72	21,000	D
Microsemi Common Stock (2)	08/15/2008	S	1,000	D	\$ 28.5	20,000	D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
Incentive Option to Buy Common Stock (1)	\$ 18.97	08/15/2008		M	1,000	10/02/2007	10/02/2012	Common Stock	1,0
Non-Qualified Option to Buy Common Stock (3)	\$ 11.36	08/15/2008		M	1,000	08/18/2005	08/18/2014	Common Stock	1,0
Non-Qualified Option to Buy Common Stock (3)	\$ 13.72	08/15/2008		M	1,000	09/26/2005	09/26/2014	Common Stock	1,0

Reporting Owners

Reporting Owner Name / Address				
	Director	10% Owner	Officer	Other

Reporting Owners 2

GENTILE JAMES H 2381 MORSE AVENUE IRVINE, CA 92614

Senior VP-Worldwide Sales

Signatures

Debbie Weber, Attorney-In-Fact for James H. Gentile

08/19/2008

**Signature of Reporting Person

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) This incentive stock option was grated pursuant to Microsemi Corporation's 1987 Stock Plan, which satisfies the requirements of Rule 16b-3. The option becomes exercisable in three equal installments, commencing one year after the date of the grant.
- (2) Sale in accordance with a 10b5-1 Plan Adopted 5/14/2008.
- (3) This non-qualified stock option was grated pursuant to Microsemi Corporation's 1987 Stock Plan, which satisfies the requirements of Rule 16b-3. The option becomes exercisable in four equal installments, commencing one year after the date of the grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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